FIRSTNET
PUBLIC SAFETY BROADBAND
FOR
SAN FRANCISCO BAY AREA PUBLIC SAFETY

November 10, 2016

Today's Agenda

- How we got here
  - Mandated by public safety
  - Created by Federal law
  - Administered by FirstNet

- Where we stand
  - Nationwide consultation
  - Status of the Network RFP
  - Governor's decision

- Where we are going
  - Addressing critical needs of public safety
  - Understanding Bay Area unique requirements
  - Ensuring on-going coordination

- What is your role?

How we got here…

Public Safety's Network
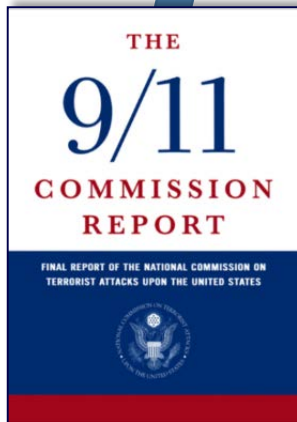
Associations Supporting D-Block Reallocation

National Governors Association
National Association of Counties
National League of Cities
United States Conference of Mayors
Council of State Governments
International City/County Managers Association
National Conference of State Legislatures
International Association of Chiefs of Police
International Association of Fire Chiefs
National Sheriffs' Association
Major Cities Chiefs Association
Metropolitan Fire Chiefs Association
Major County Sheriffs' Association
Association of Public-Safety Communications Officials
National Emergency Management Association
International Association of Emergency Managers
Police Executive Research Forum

National Criminal Justice Association
National Association of Police Organizations
National Volunteer Fire Council
National Troopers' Coalition
National Organization of Black Law Enforcement Executives
Association of Air Medical Services
Advocates for Emergency Medical Services
Emergency Nurses Association
National Association of Emergency Medical Services Physicians
National Association of Emergency Medical Technicians
National Association of State Emergency Medical Service Officials
National Emergency Medical Services Management Association
American Probation and Parole Association
National Association of Regional Councils

THE LAW

2.22.12

FirstNet becomes law
PL 112-96

Recent Major Events – Need for FirstNet

Following numerous events and significant disasters…we know that a new model is necessary….Required is a national architecture for public safety wireless communications

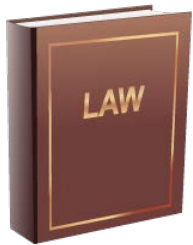*Chief Jeff Johnson – Congressional Testimony, May 2011*

✓Network Congestion

✓Network Outages

✓Coverage Dead Spots

Implementing the Vision

THE LAW

2.22.12

FirstNet becomes law
PL 112-96

GOVERNANCE

The **FirstNet Board** has **15** members, including those with telecommunications and public safety backgrounds

Each Governor appoints **1 Single Point of Contact (SPOC)** and governing body to represent the state's interests to FirstNet.

43 member **Public Safety Advisory Committee (PSAC)** advises FirstNet on public safety intergovernmental matters.
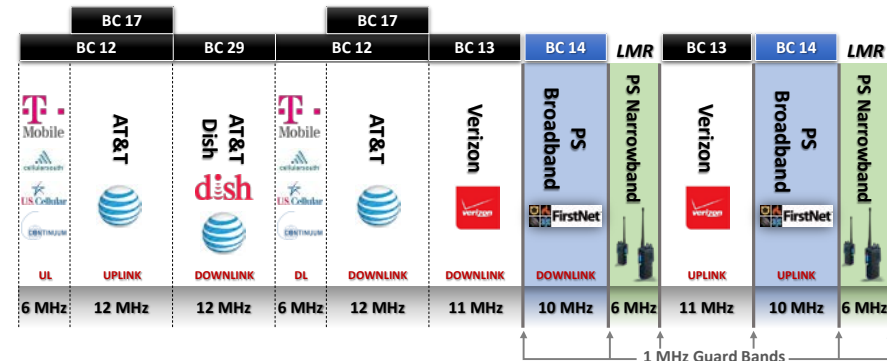
FUNDING

$7B authorized to build the FirstNet network. Funded by spectrum auctions through 2022.

BAND CLASS (BC) 14

20MHz of bandwidth has been dedicated to public safety in the prime upper **700MHz** frequency range.

	BC 17			BC 17								
	BC 12	BC 29		BC 12	BC 13	BC 14	LMR	BC 13	BC 14	LMR
	T-Mobile / cellularsouth / US Cellular / CONTINUUM	AT&T	AT&T Dish / dish	T-Mobile / cellularsouth / US Cellular / CONTINUUM	AT&T	Verizon	PS Broadband / FirstNet	PS Narrowband	Verizon	PS Broadband / FirstNet	PS Narrowband
	UL	UPLINK	DOWNLINK	DL	DOWNLINK	DOWNLINK	DOWNLINK		UPLINK	UPLINK	
	6 MHz	12 MHz	12 MHz	6 MHz	12 MHz	11 MHz	10 MHz	6 MHz	11 MHz	10 MHz	6 MHz

1 MHz Guard Bands
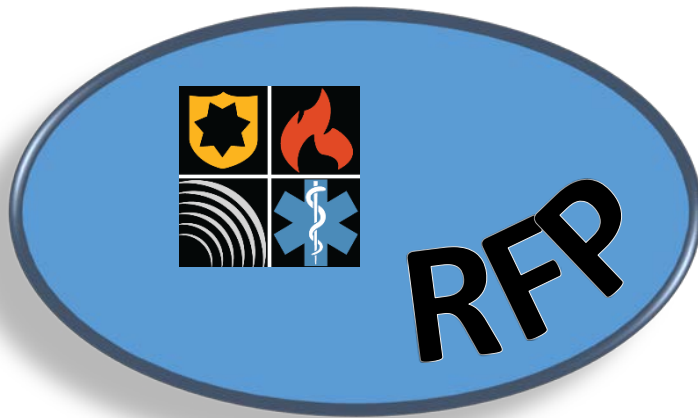
FirstNet Vision

PUBLIC SAFETY NEEDS

- ✓ **Dedicated Spectrum**
- ✓ **Priority / Preemption**
- ✓ **Public Safety Grade**
- ✓ **Cybersecurity**
- ✓ **Public Safety Applications**

LEVERAGING INDUSTRY

- ✓ **Existing Infrastructure**
- ✓ **Built & Maintained**
- ✓ **Global Standard**
- ✓ **Interoperability**
- ✓ **Economy of Scale**

Where we stand…

RFP

RFP Statement of Objectives

FirstNet

| Building, Deployment, Operation & Maintenance of the NPSBN | Financial Sustainability | First Responder User Adoption | Device Ecosystem | Applications Ecosystem | Accelerated Speed to Market | User Service Availability | Service Capacity |

RFP Under Evaluation!

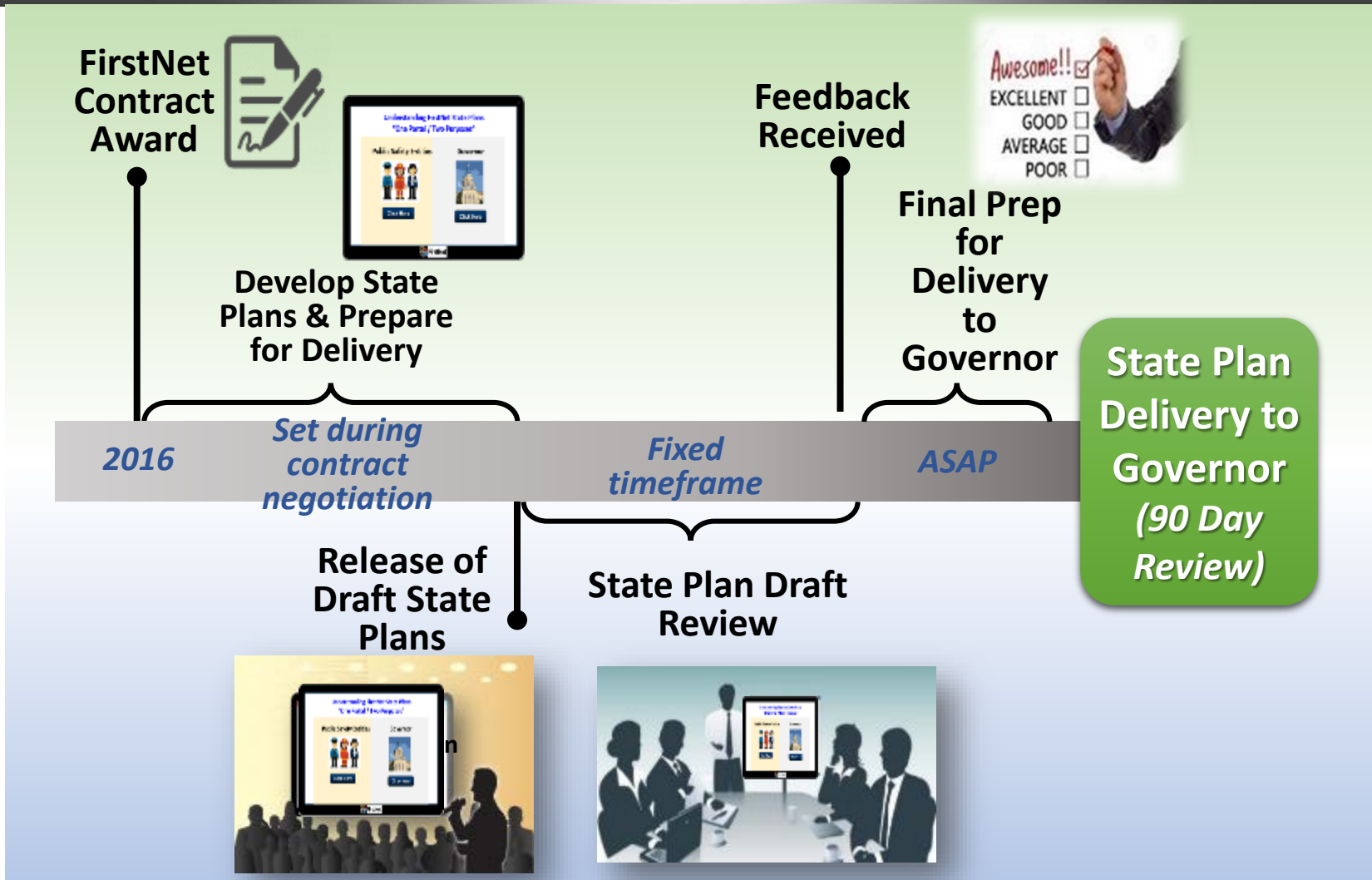| Cyber Security | Priority Services | Integration Of Opt-out State RANs | Integration of Existing Commercial/ Federal/ Tribal/State/ Local Infrastructure To Support NPSBN Services | Life-cycle Innovation | Program and Business Management | Customer Care and Marketing | Facilitation of FirstNet's Compliance With The Act & Other Laws |

Where we are going…

High Priority Applications

- Streamline Incident Documents
- Portable Reporting & Data Access
- Information Synthesis
- Social Media
- Telemedicine
- Situational Awareness
- AVL/Location-Enabled Tracking
- Internet of Things (IoT)
- De-centralized Operations
- GIS Mapping

One Portal / Two Purposes

State Plans Development
From Contract Award to Governor

FirstNet Contract Award

Develop State Plans & Prepare for Delivery

Feedback Received

Final Prep for Delivery to Governor

2016

Set during contract negotiation

Fixed timeframe

ASAP

State Plan Delivery to Governor *(90 Day Review)*

Release of Draft State Plans

State Plan Draft Review

Meeting Public Safety's Needs

Capacity	Coverage	Workflow	Community
Priority	Terrestrial	Applications	Agency support
Preemption	Deployables	Devices	User groups
Quality of Service		Interoperability	Best practices

What is your role?

Once FirstNet is in place:

- Agencies/responders will buy FirstNet devices and service similar to how commercial wireless is procured today

- There will be no Federal mandate to use FirstNet service

- Initial service will focus on mission critical data communications

FirstNet Deployment / Service Availability — 2018

State Plans / Gov. Decision — 2017

RFP Awarded — 2016
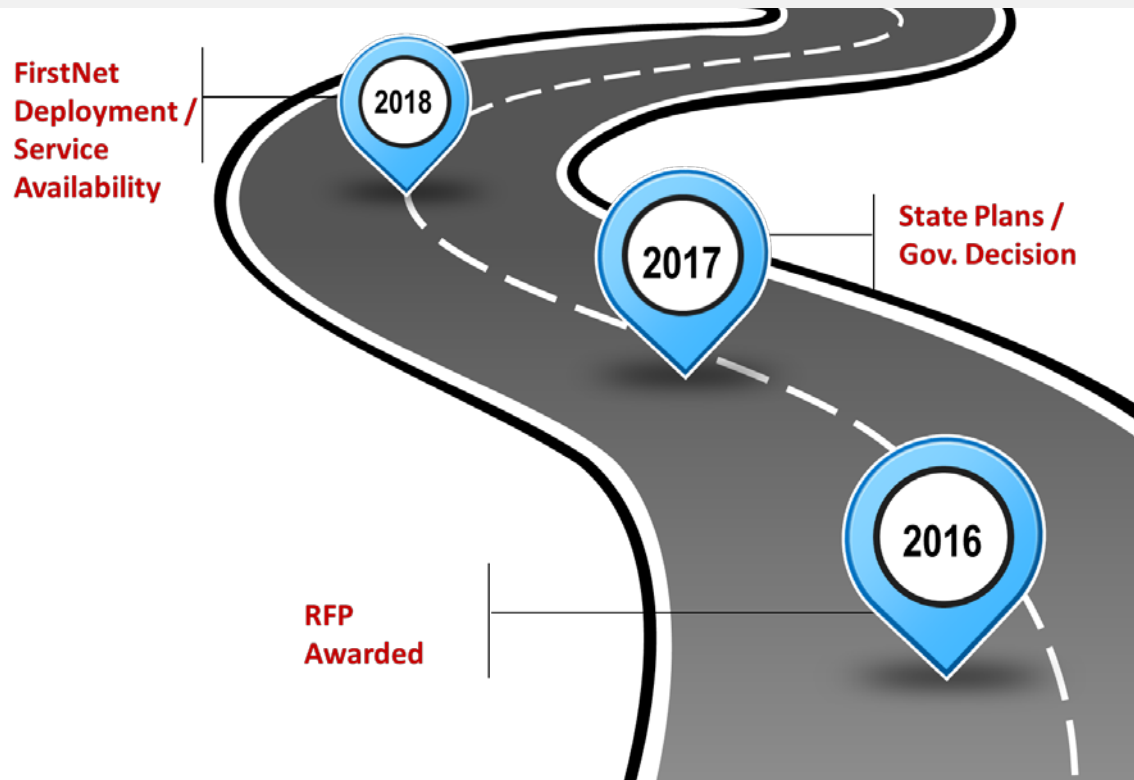
Getting to know Bay Area Public Safety Needs

- How do you procure services today?

- What do you wish the commercial provider did better to meet public safety needs?

Getting to know Bay Area Public Safety Needs

- Have your commercial networks slowed / become overwhelmed during large scale events?

- Do you have critical coverage dead zones in the region?

- Are there unique coverage issues (buildings, etc.)?

- How does lack of mobile data impact responses?

- What types of applications do you use?

    - Are any of the applications integrated?
    - Are you using streaming video?

- Are you using specialty devices for public safety?
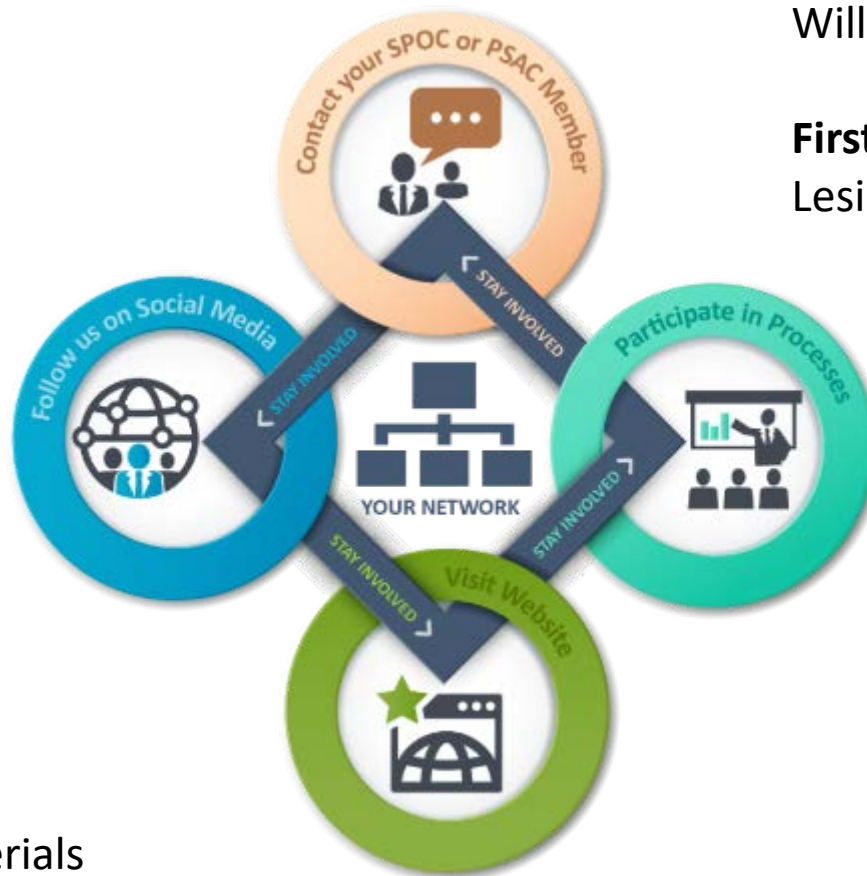
- Do you have a personal use policy?

Staying in Touch with FirstNet

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YouTube (FirstNetGov)

Tumblr (FirstNetGov)

Facebook (firstnetgov)

LinkedIn

Flickr (FirstNetGov)

www.firstnet.gov

- Fact Sheets
- Blogs
- Presentations
- Current Events
- Board meetings and materials

California SPOC:
William Anderson

FirstNet Region Lead:
Lesia Dickson

Questions?